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MANUFACTURE OF LAMINATED SHEET

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Abstract

PURPOSE: To effectively obtain a synthetic resin laminated sheet of high qualitative stability by forming through lamination a laminate with a prepreg with the help of high-frequency induction heating.

CONSTITUTION: A laminate laminated with a prepreg which has been obtained by impregnating and drying resin for laminated sheet on a base material for laminated sheet is inserted with a press equipped with high-frequency oscillation plate and then is heated through high-frequency induction for laminated forming. Thus a synthetic resin laminated sheet is obtained. As base materials for laminated sheet, paper, natural fiber, organic synthetic fiber, inorganic fiber-based woven cloth, unwoven cloth, mat, etc. are used, while as resin for laminated sheet, thermosetting resins such as phenol resin, epoxy resin, melamine resin, polyester resin, polyimido resin, etc. are employed. In addition, a copper foil is covered on the afore-mentioned laminate with an adhesive and formed in lamination through heating, thereby obtaining a copper-clad laminated sheet.

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